CLATMS

- 1. An examination method conducted for the administration of an anticancer drug targeting a tumor-associated factor receptor, in order to evaluate usefulness of treatment with the anticancer drug, comprising, in addition to the examination of the gene and/or the expressed product thereof of the receptor, the examination of the gene and/or the expressed product thereof of a substance interacting with the receptor on the surface of and/or within the cell membrane.
- The examination method according to Claim 1, wherein the tumor-associated factor receptor is a cell growth factor receptor.
- 3. The examination method according to the Claim 2, wherein the cell growth factor receptor is an epidermal growth factor receptor or a receptor belonging to an epidermal growth factor receptor family.
- 4. The examination method according to Claim 3, wherein the receptor belonging to the epidermal growth factor receptor family is HER2/c-erbB-2.
- 5. The examination method according to any one of Claims

1 to 4, wherein the substance interacting with the receptor on the surface of and/or within cell membrane is a qlycoprotein.

- The examination method according to Claim 5, wherein the qlycoprotein is a mucin.
- 7. The examination method according to Claim 6, wherein the mucin is mucin 4 (MUC4).
- The examination method according to any one of Claims
 to 7, wherein the anticancer drug is an antibody to the receptor.
- The examination method according to Claim 8, wherein the antibody is a humanized monoclonal antibody.
- 10. The examination method according to Claim 9, wherein the humanized monoclonal antibody is trastuzumab (Herceptin^{TM}) .
- 11. A reagent for use in the examination method according to any one of Claims 1 to 10.
- 12. A reagent kit for use in the examination method according to any one of Claims 1 to 10.